

TRADING FLOOR SWITCH

Trading Floor Switch SUN-PC Product Guide



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Disclaimer & Revisions

Operation of this equipment in a residential area is likely to cause interference in which case the user, at his or her own expense, will be required to take whatever measures may be required to correct the interference.

1: Product Description

The Trading Floor Switch allows a single keyboard and mouse to control two SUN and two PS/2-compatible CPUs. Valuable desk space is conserved by using a single keyboard and mouse to control multiple CPUs. Video signals are not switched by the Trading Floor Switch so that video information from each CPU may be simultaneously displayed on separate monitors, preventing the user from missing important data.

Keyboard and mouse emulation is supplied at all times to all attached computers regardless of switch position. There is no interruption of operation caused by a CPU detecting the absence of a keyboard. The Trading Floor Switch stores keyboard status (Caps Lock, Num Lock, etc.) for each CPU and restores the current status each time the CPU is selected.

Two Models of Trading Floor Switch are described in this manual:

- **SUN Trader Switch**, PN 300.000.2201 uses a SUN Keyboard (Type 5 or greater) and Mouse for the User
- **PS/2 Trader Switch** PN 200.000.2220 uses a PS/2 Mouse and PS/2 Keyboard for the User.

Both models are similar except for the User's Keyboard/Mouse connections.

The Trading Floor Switch's small size makes it easy to locate the unit away from valuable desktop space. A wired **Remote Switch** allows users to switch between CPUs with just the push of a button; the selected CPU is indicated by an LED above the appropriate button. When the Trading Floor Switch is used with Lightwave Communications' Cat 5 Extender, CPUs may be located up to 300 feet away from the desktop.

Included with each Trading Floor Switch are several pieces of 3M Dual Lock reclosable fastener to attach the Remote Switch to a desk, wall, or keyboard. Enough material is included with each unit to provide multiple mounting locations.

Dimensions

Main Body (placed near CPU)

Height: 1 inch (2.54 cm)

Width: 5.25 inches (13.32 cm)

Depth: 4.69 inches (11.91 cm)

Weight: 1 lb (0.48 kg)

Remote Switch (on Desktop)

Height: 1 inch (2.54 cm)

Width: 3.50 inches (8.89 cm)

Depth: 1.13 inches (2.86 cm)

2: Installation

The Trading Floor Switch consists of two components: the **Main Body**, and the **Remote Switch**. The main body is usually located with the CPUs, off the desktop. The remote switch may be attached directly to the keyboard or to a location more convenient for the user.

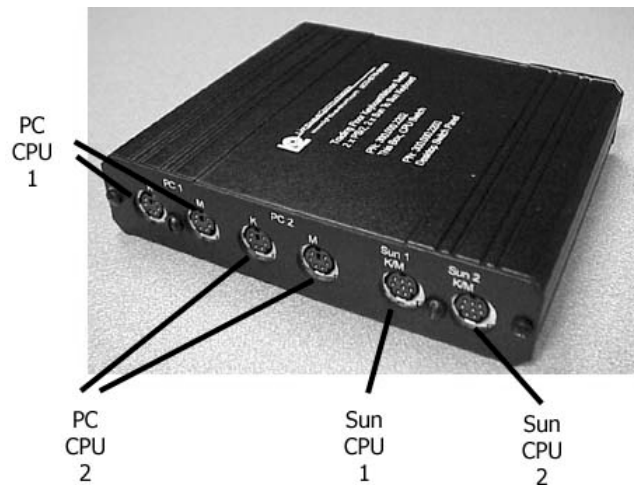
2.1 Power Requirements

The Trading Floor Switch is powered by the attached CPUs through the keyboard and mouse connections. The Trading Floor Switch will not operate if the attached CPUs are not powered. No additional power input is necessary for normal operation.

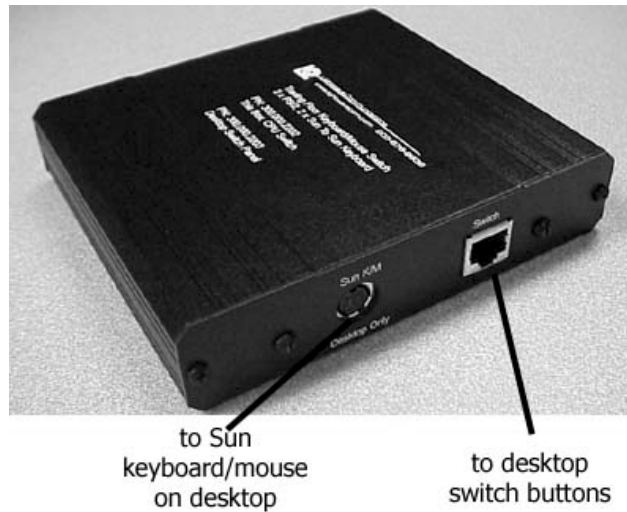
If there is a power fault that would cause damage to the Trading Floor Switch, internal auto-reset fuses will trip to prevent overload. To reset the fuses, remove and then reattach all cables from the main body.

2.2 Procedure

1. Shut down all CPUs that will be attached to the Trading Floor Switch. Remove all mice and keyboards, but leave the monitors attached.



2. Connect the CPUs to the Trading Floor Switch using the appropriate cables, no more than 25 feet in length. SUN CPUs are attached using a single 8-pin mini-DIN cable for both keyboard and mouse, while PS/2 CPUs are attached using two 6-pin mini-DIN cables (one for mouse, one for keyboard). Be sure not to cross the PS/2 keyboard and PS/2 mouse cables between the CPU and the Trading Floor Switch.



(Sun Trader unit shown above)

3. Connect your keyboard to the Trading Floor Switch keyboard (K) port. If using the PS/2 version, connect the Mouse to the Trading Floor Switch. The SUN Mouse connects to the SUN keyboard as usual.
4. Using the provided Category 5 cable (or another fully-pinned Cat 5 cable up to 45 feet in length), connect the Remote Switch to the main body. The 3M Dual Lock may be placed on the remote and its mounting location if desired. The fastener has adhesive already applied with a peel-off backing, so no additional adhesive should be necessary. Dual Lock does not function like a conventional hook-and-loop fastener; any Dual Lock surface will mate with any other Dual Lock surface.
5. Turn on the power to the CPU's. The Trading Floor Switch will power up with the first CPU. As long as any connected CPU remains powered on, the Switch will continue to operate.

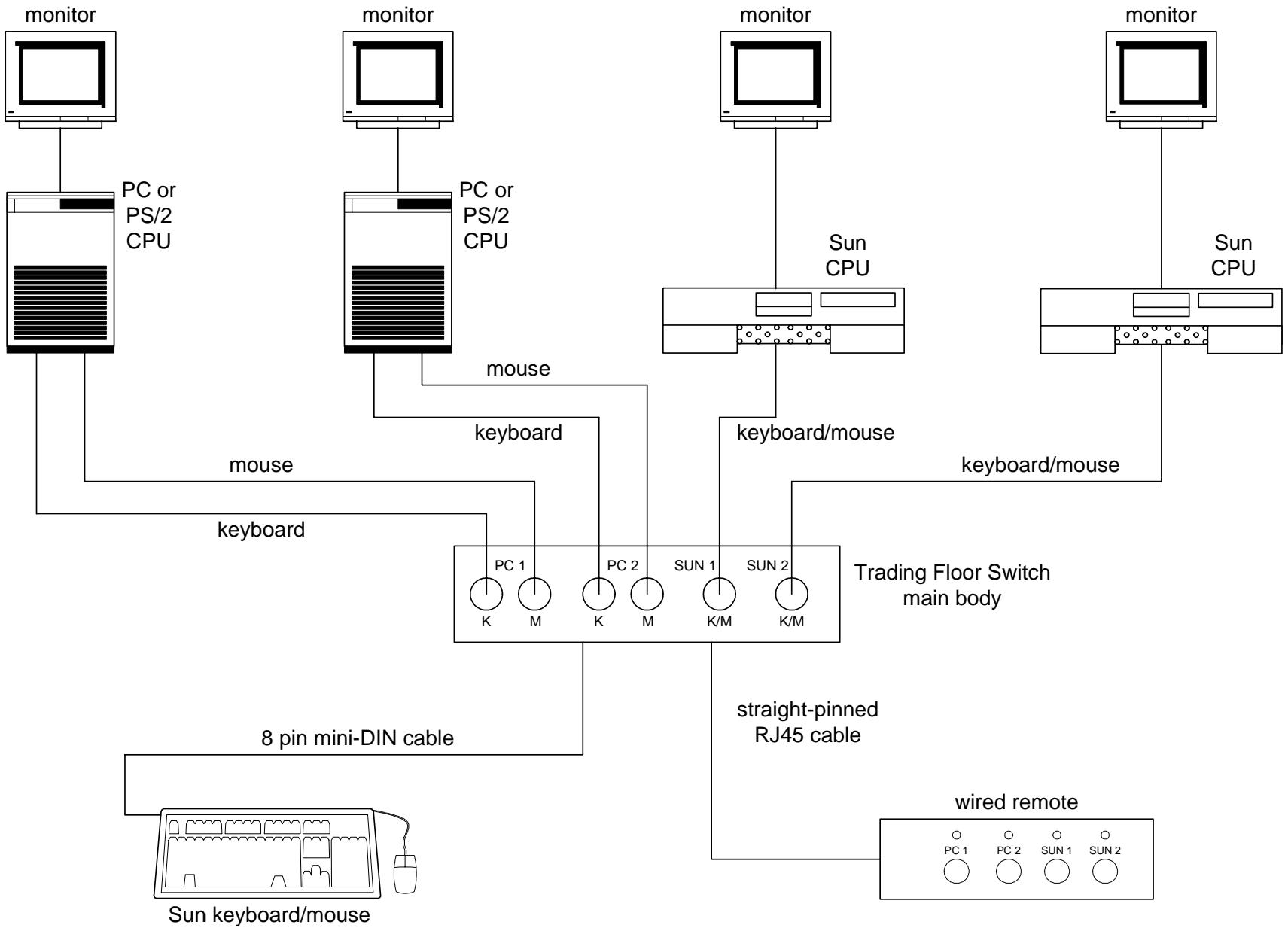
The Trading Floor Switch may now be used normally as outlined in section 3.0.

2.3 Use with Lightwave ServerSwitch Systems

To connect a PC ServerSwitch Plus or a ServerSwitch 8200 to the Trading Floor Switch, attach the **USER** port of the ServerSwitch to the appropriate port on the Trading Floor Switch as outlined above. A PC ServerSwitch Plus should be connected to one of the port pairs marked "PC 1" or "PC 2", while a ServerSwitch 8200 should be connected to one of the ports marked "SUN 1" or "SUN 2". It is not necessary to remove power from a ServerSwitch when attaching the keyboard and mouse cables to the Trading Floor Switch.

Trading Floor Switch Typical Installation

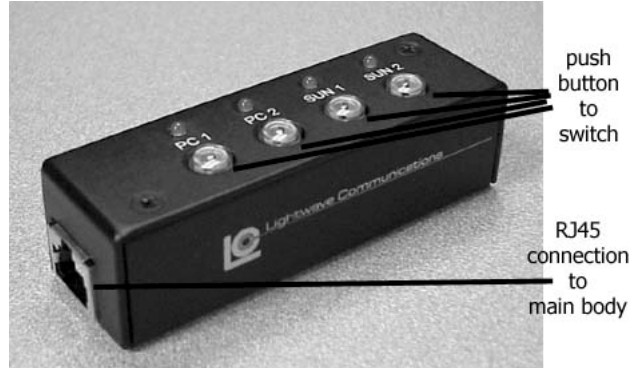
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3.0 Operation

The Trading Floor Switch is simple to operate. The User is able to fully operate one of up to four CPUs at a time using their Mouse and Keyboard.

Remote Switch for Trading Floor Switch



The Remote Switch is placed conveniently for the User. Pushing a button on the Remote Switch will select the desired CPU to be controlled. An LED on the Remote Switch will light to indicate the selected server and the status of the keyboard and mouse connection (see below).

LED Activity	Keyboard/Mouse Status
always on	both connected
slow blink	keyboard connected, mouse missing
medium blink	keyboard missing, mouse connected
fast blink	both missing

In some cases, a keyboard or mouse may be intentionally disconnected from a CPU, so the lack of one of these devices may not be a problem. If in doubt, contact your system administrator.

3.1 Windows® Key Mapping

The Trading Floor Switch maps the Windows key and the application key commonly found on newer PS/2 keyboards. Users can utilize these key functions with a SUN keyboard when the PS/2 CPU is selected through the Trading Floor Switch.

The left diamond (meta) key on the SUN keyboard works as the Windows key, while the right diamond (meta) key on the SUN keyboard works as the application key.